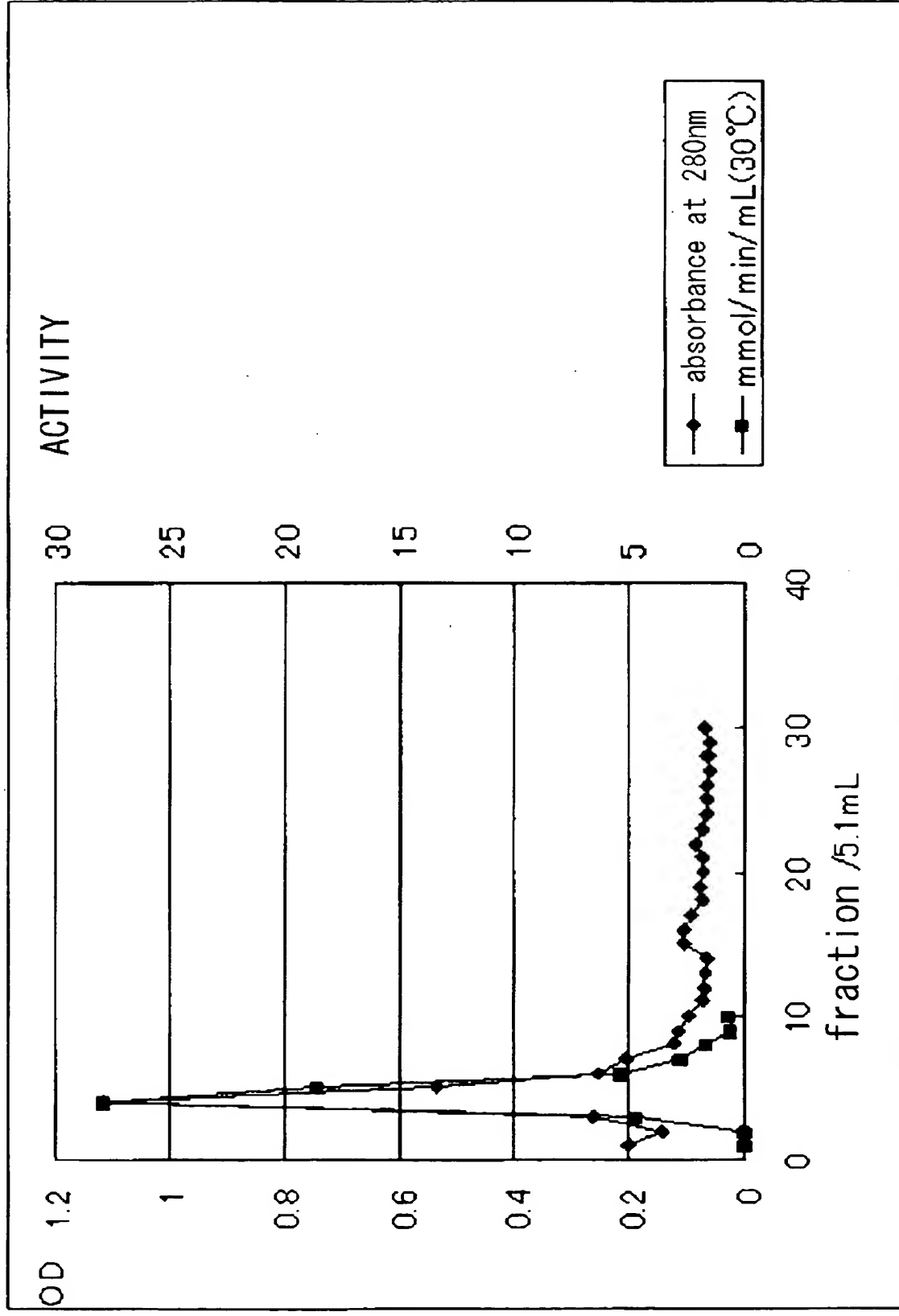


FIG. 1



# FIG.2

## Purification of Amine Oxidase from Pea Epicotyls

| Step           | Total Activity<br>$\mu$ kat | Total Protein<br>mg | Specific Activity<br>$\mu$ kat/mg | Purification<br>fold | Yield<br>% |
|----------------|-----------------------------|---------------------|-----------------------------------|----------------------|------------|
| 1. crude       | 13.3                        | 1079                | 0.012                             | 1                    | 100        |
| 2. SP-Sephadex | 11.8                        | 854                 | 1.38                              | 115                  | 88.7       |

## Purification Procedure for Pea Seedling Amine Oxidase

| Purification step  | Total Activity<br>$\mu$ kat | Total Protein<br>mg | Specific Activity<br>$\mu$ kat/mg | Purification<br>fold | Yield<br>% |
|--|-----------------------------|---------------------|-----------------------------------|----------------------|------------|
| 1. crude   | —                           | 10031               | 0.01                              | 1                    | 100        |
| 2. (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> fractionation | —                           | 2970                | 0.04                              | 303                  | 98         |
| 3. DE-52 chromatography  | —                           | 114                 | 0.66                              | 55                   | 63         |
| 4. 6-aminoethyl-Sepharose 2B                                     | —                           | 31                  | 1.63                              | 136                  | 42         |

## Purification and Characterization of Amine Oxidase from Pea Seedlings

F. Vianello, A. Malek-Mirzayans, M. Luisa Di Paolo, R. Stevanata, and A. Rigo

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enzyme pure at 95% ( sp act 1.2  $\mu$  kat/mg)

FIG. 3

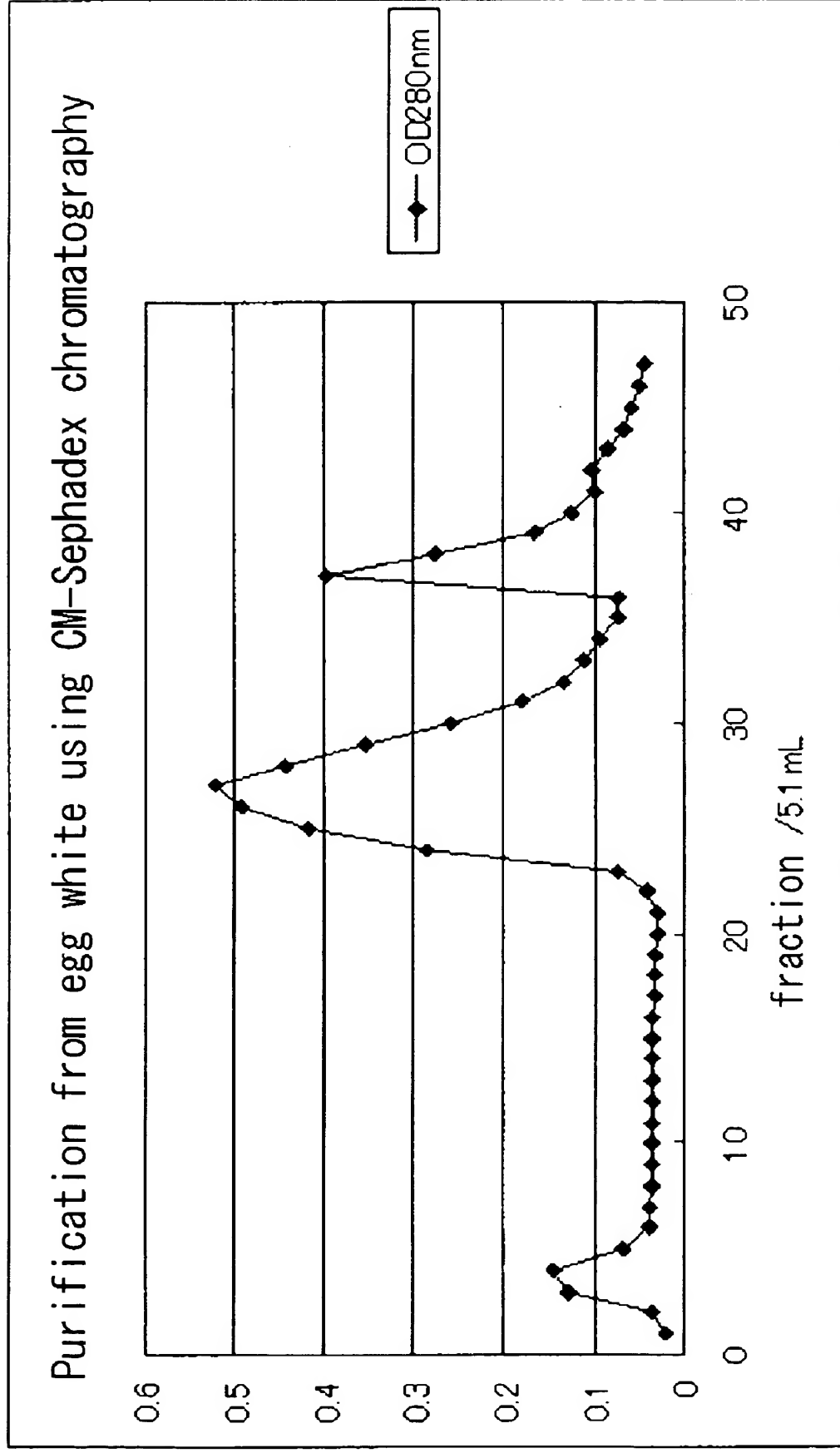


FIG. 4

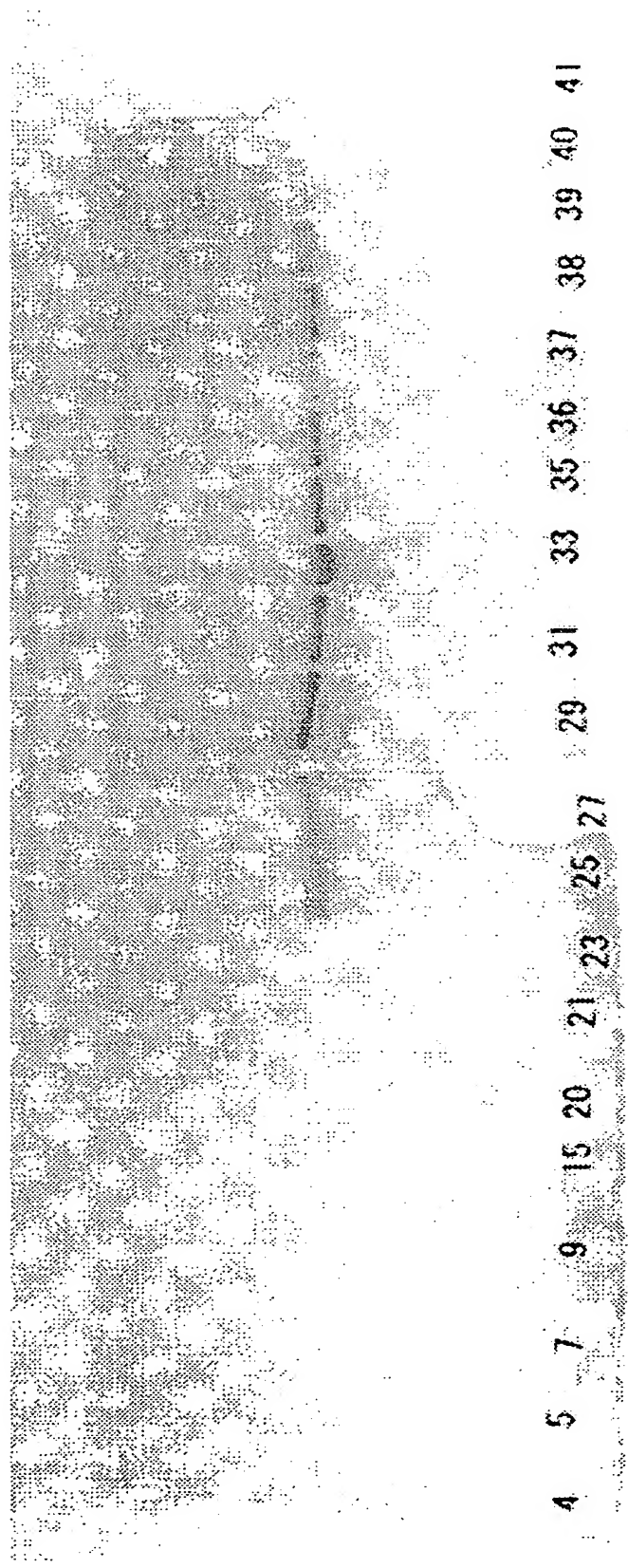


FIG. 5

Purification from egg white using CM-Sephadex chromatography

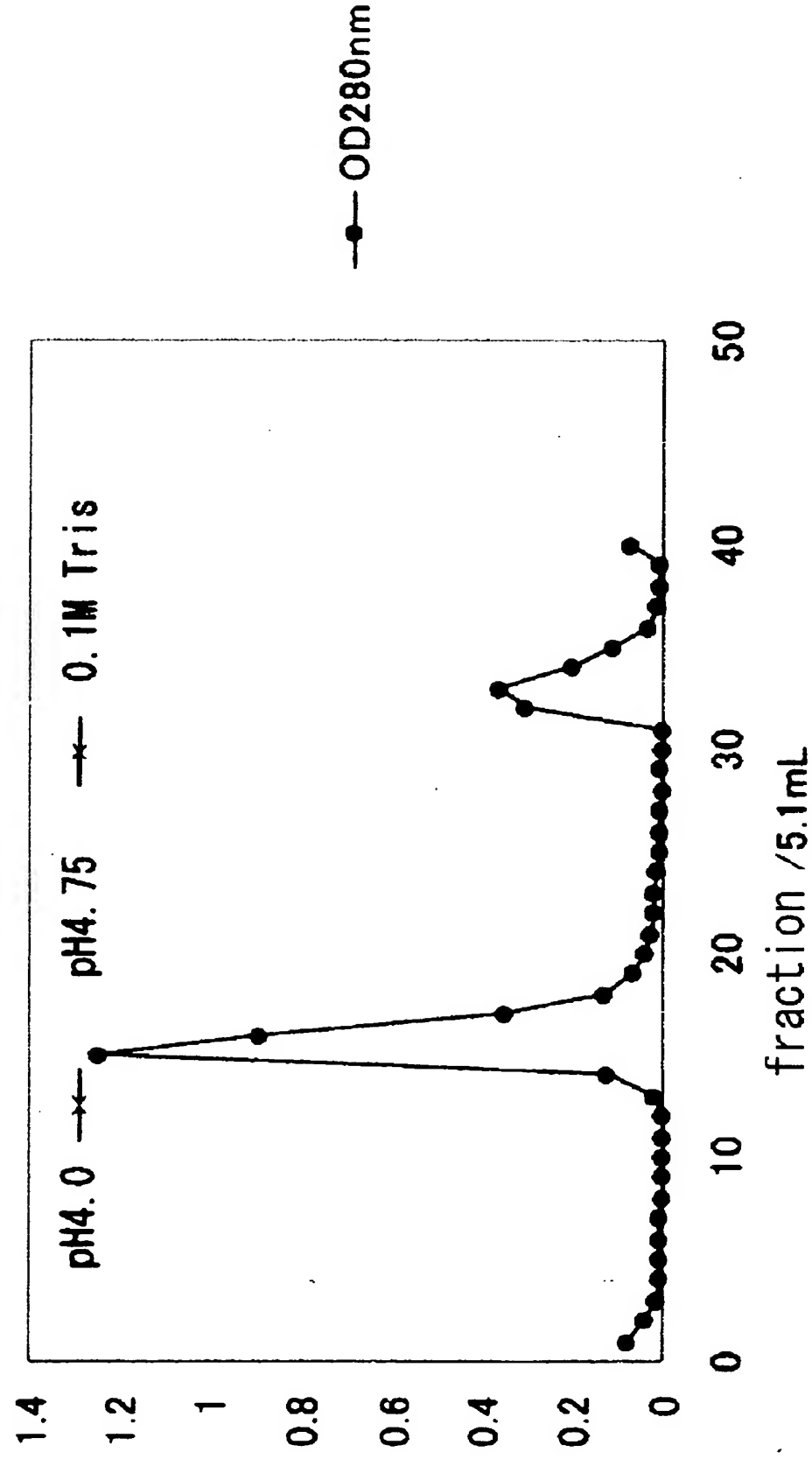


FIG. 6

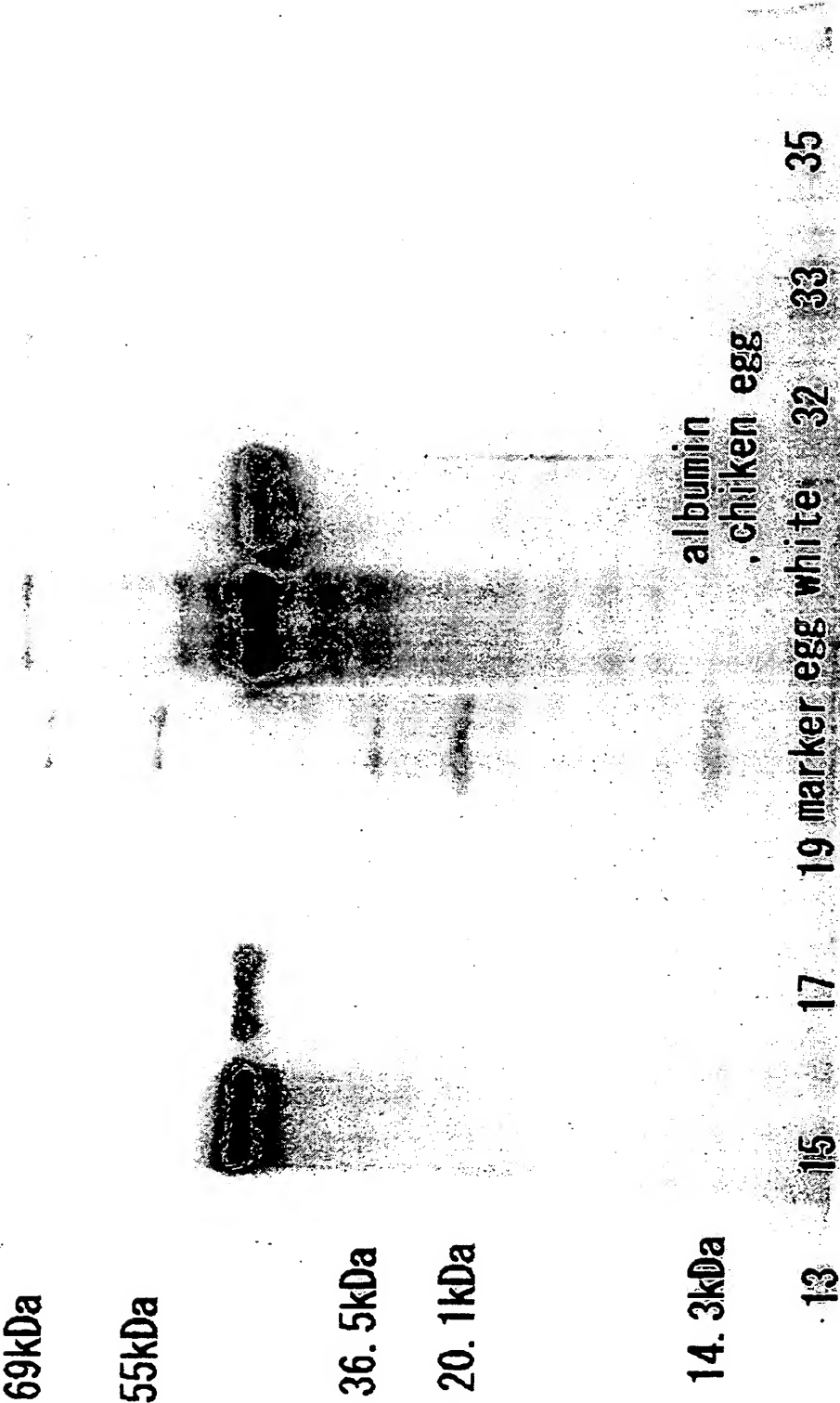


FIG. 7

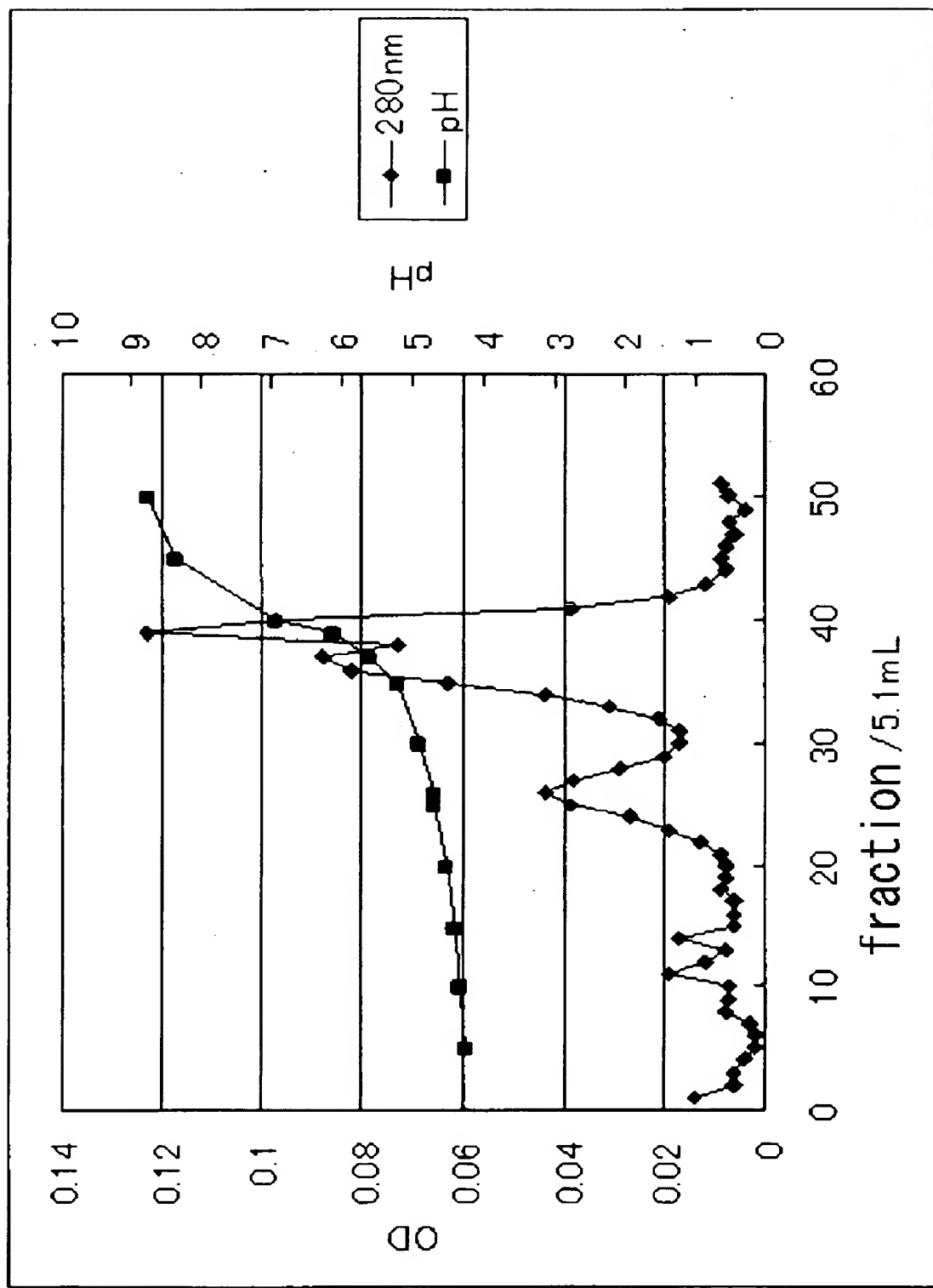


FIG. 8

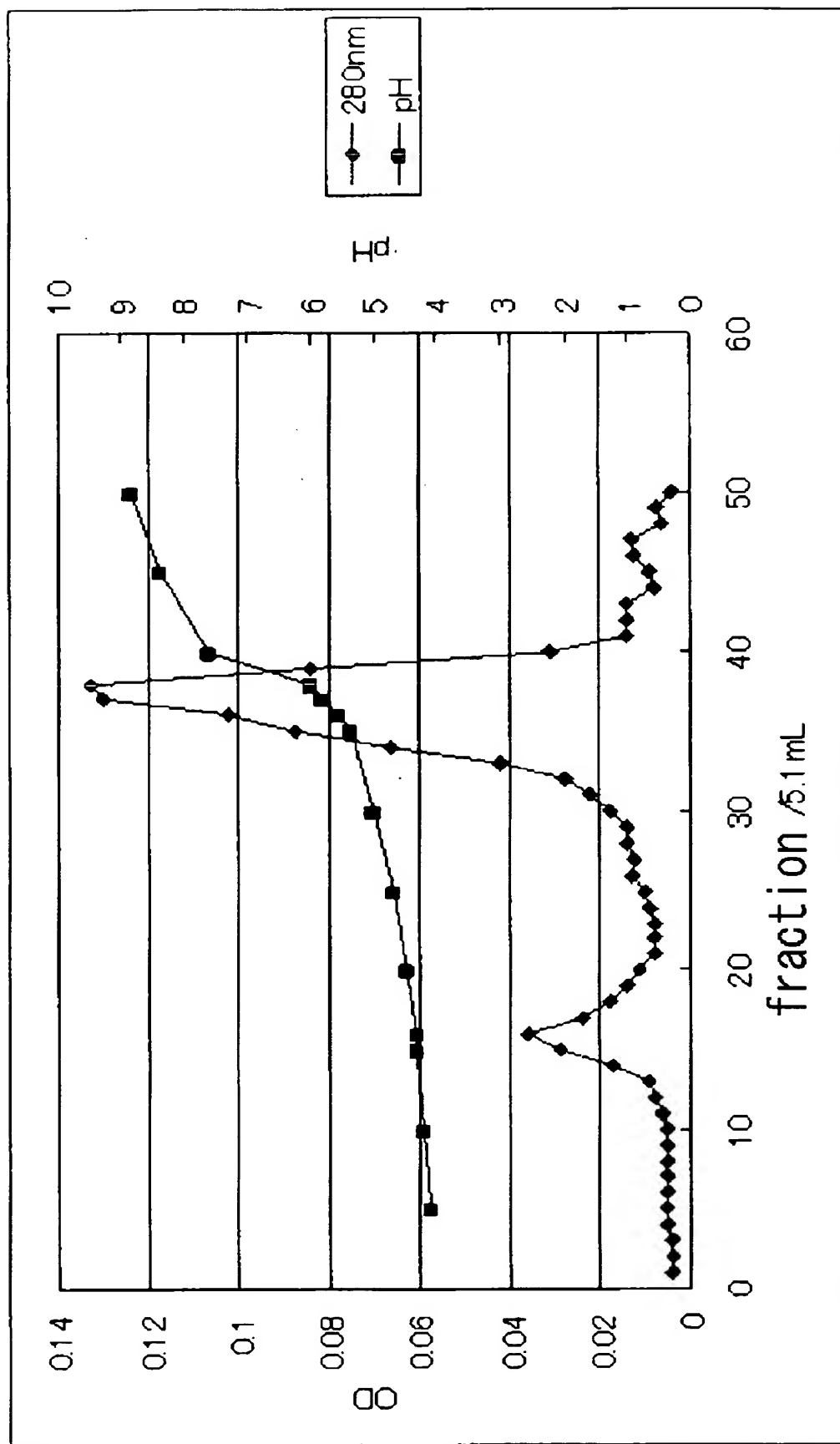




FIG. 9

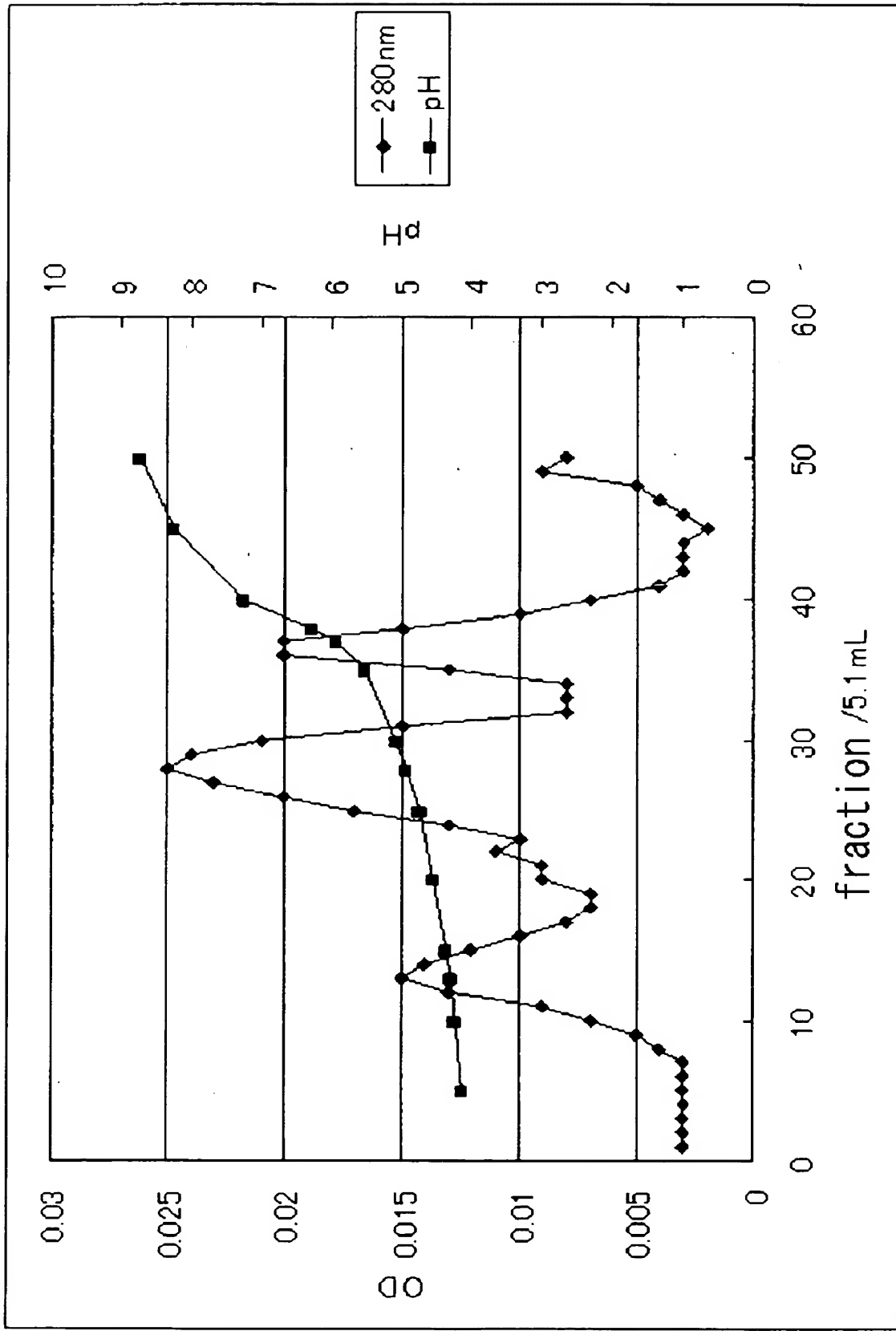


FIG. 10

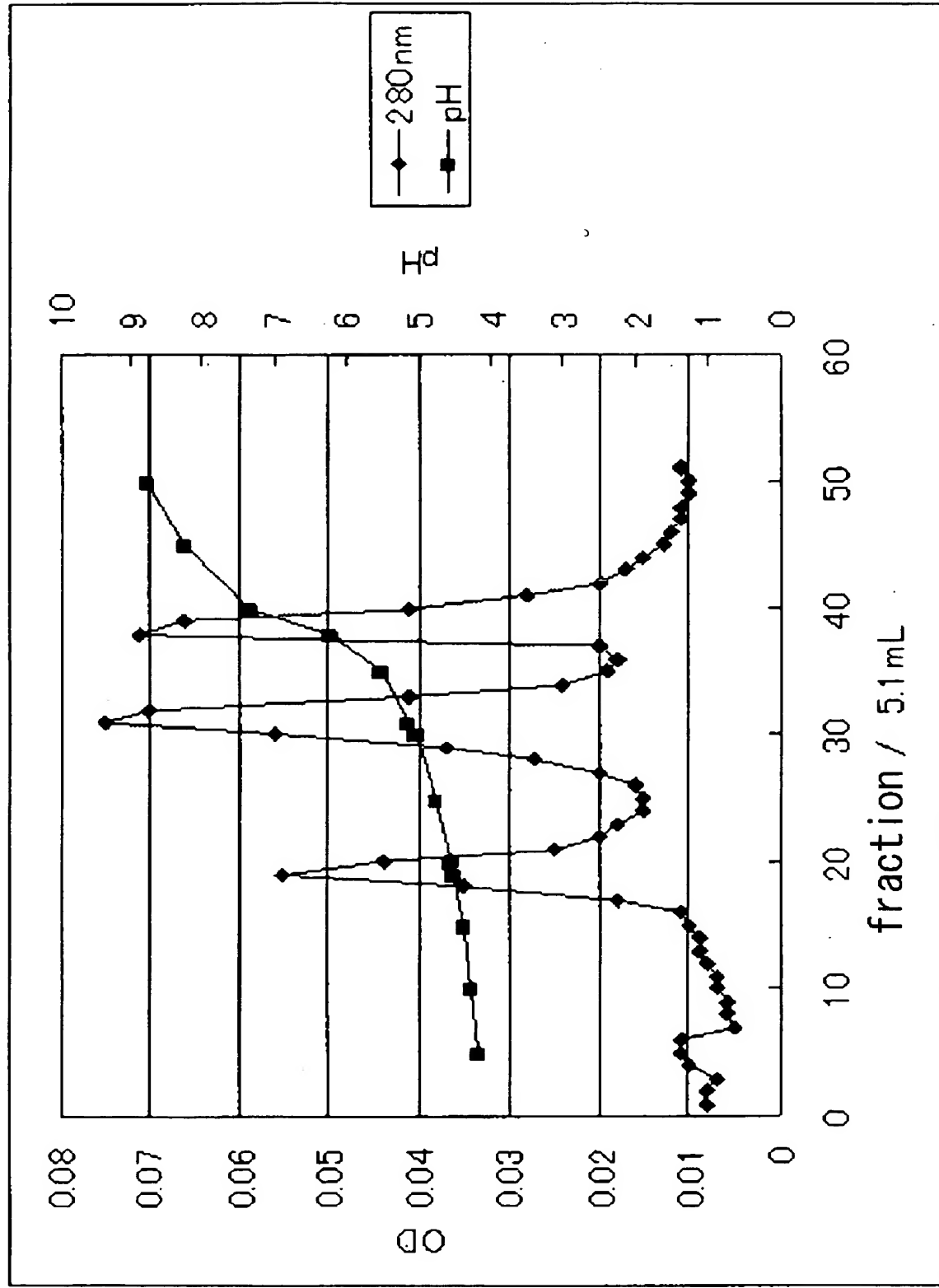


FIG. 11

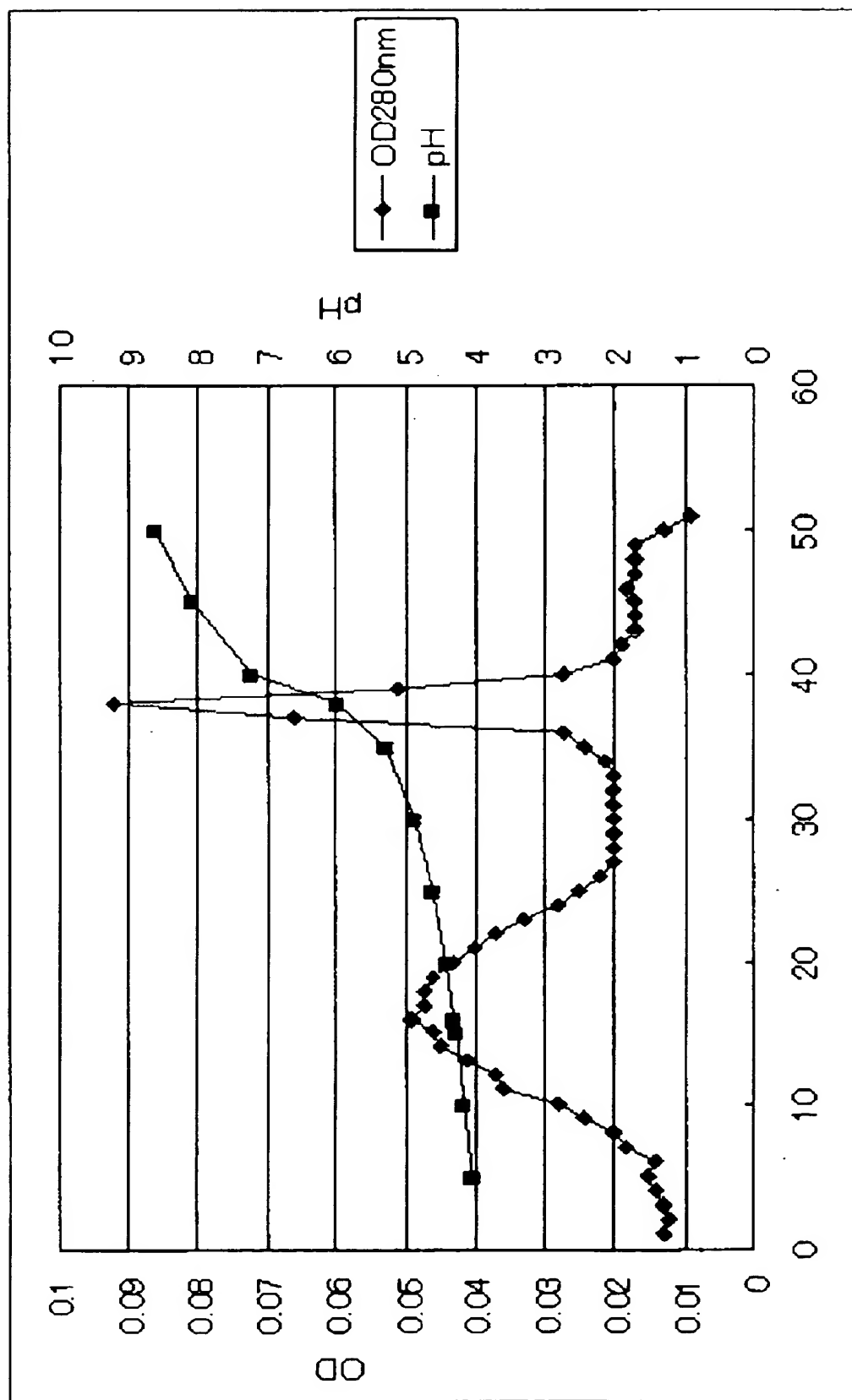


FIG. 12

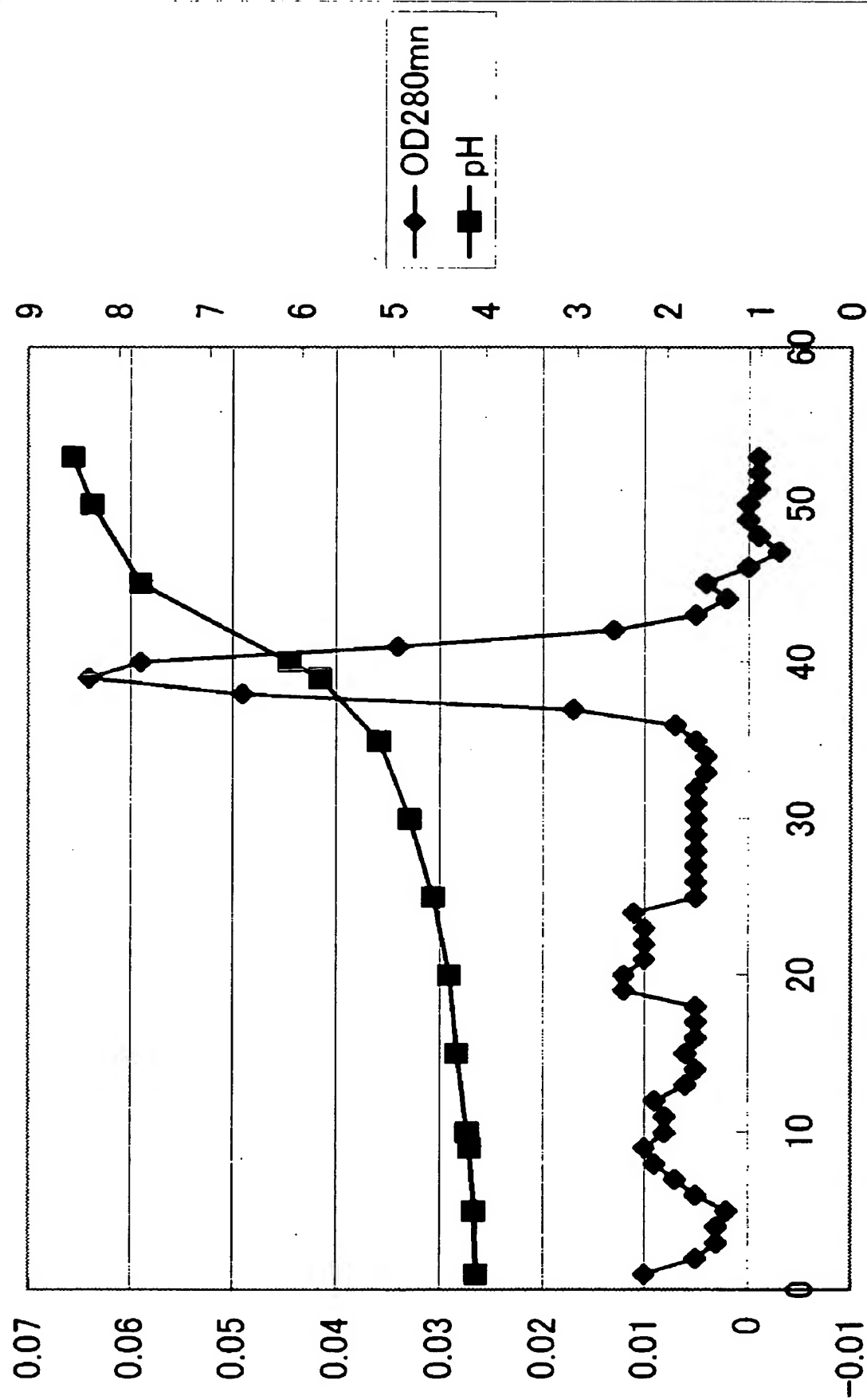


FIG. 13

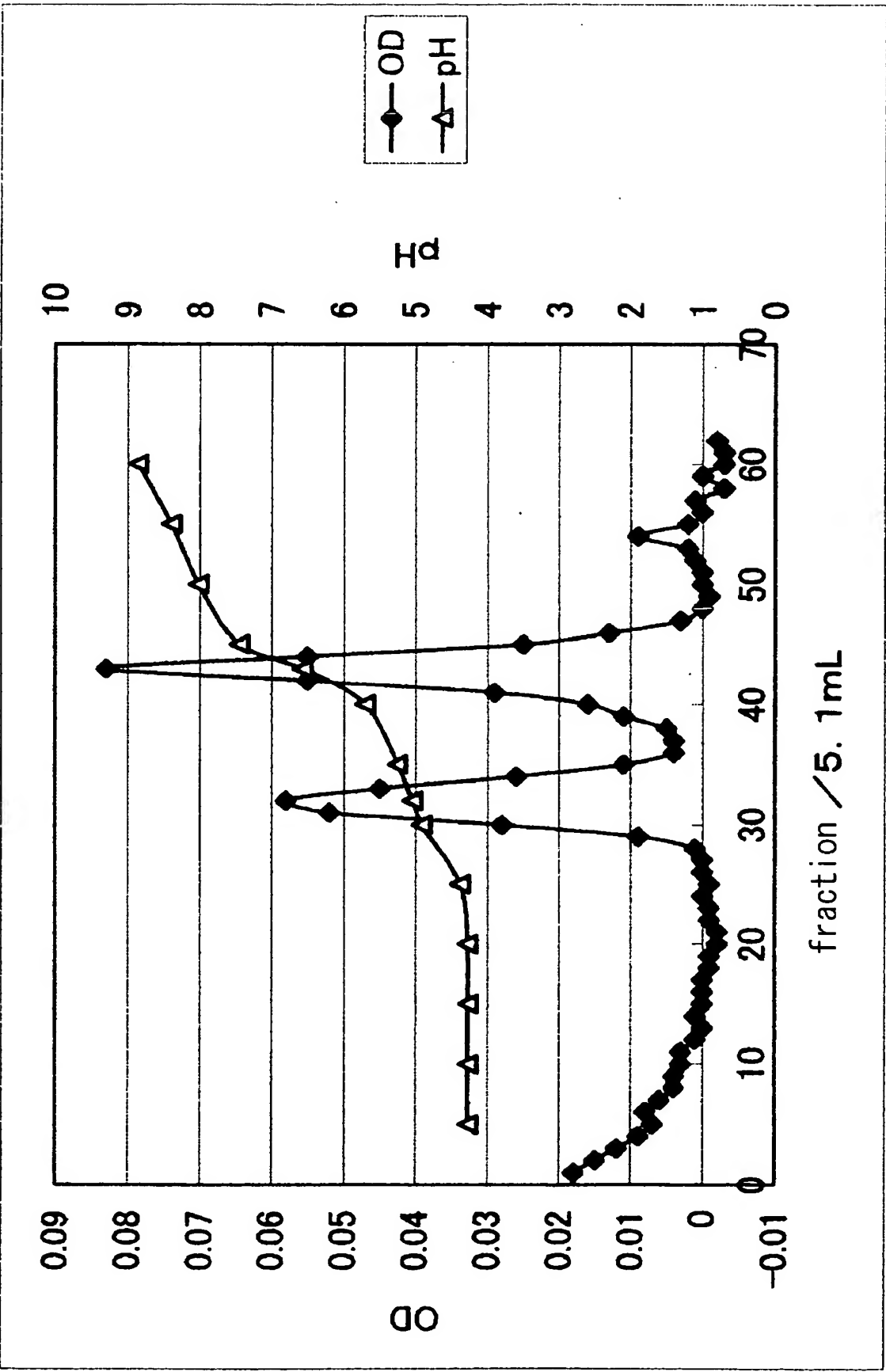


FIG. 14

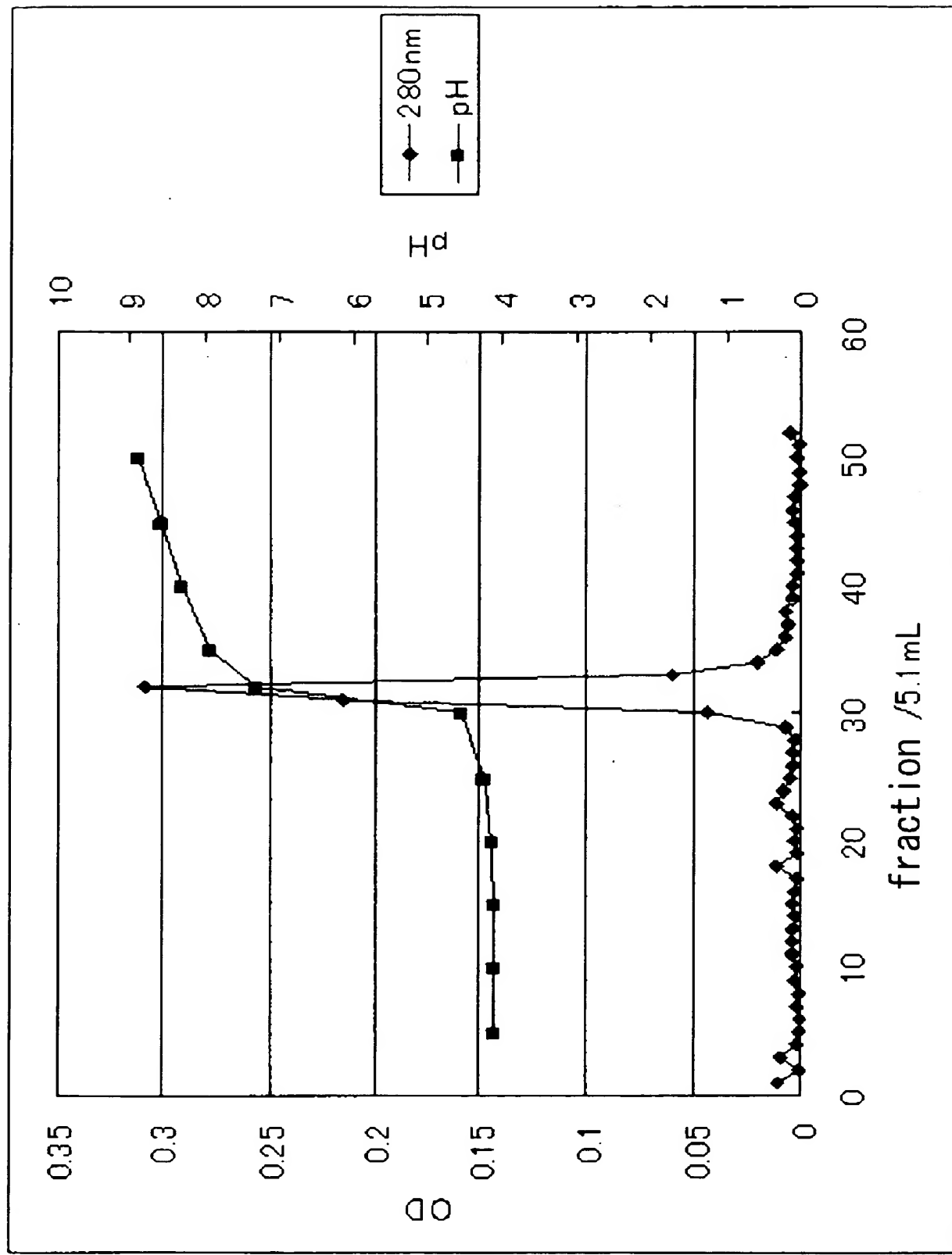


FIG. 15

